

--93. The method according to claim 92, further comprising the step of supporting the fourth spool on the cartridge body.--

--94. The method according to claim 93, wherein the step of supporting the fourth spool includes the steps of inserting a shaft member of the fourth spool into an orifice of the cartridge body and engaging the shaft member with a first rotation member of the fourth spool.--

--95. The method according to claim 92, wherein the step of attaching an intermediate connector includes the step of engaging an engagement groove formed in the take-up side core tube with an engagement protrusion formed in the intermediate connector.--

--96. The method according to claim 95, further comprising the step of preparing the take-up side core tube formed with an outer diameter substantially equal to an outermost diameter of the intermediate connector.--

--97. The method according to claim 95, further comprising the step of preparing the take-up core tube formed with the engagement grooves of a number equal to or greater than a predetermined number of engagement protrusions formed in the intermediate connector.--

--98. The method of claim 92, further comprising the step of rotating the take-up side core tube mounted on the cartridge body by the third and fourth spools in a condition in which a rotational direction of the take-up side core tube is regulated by the intermediate connector.--

--99. A method of using a core tube body, the method comprising the steps of:  
preparing a core tube body having two ends with an engagement groove, the core tube having an outer diameter equal to an outermost diameter of an intermediate connector and being formed with engagement grooves, a number of the engagement grooves being equal to or greater than a predetermined number of engagement protrusions formed in the intermediate connector;

engaging the engagement groove with the engagement protrusion formed to the intermediate connector;

mounting the core tube body rotatably on an ink sheet cartridge with the intermediate connector engaged to the core tube body; and

rotating the core tube body in a condition in which a rotational direction of the core tube body is regulated by the intermediate connector.--

--100. A method of using an intermediate connector, the method comprising the steps of:

preparing an ink sheet having a predetermined width and being wound around both a supply-side core tube and a take-up side core tube; and

engaging one of two opposite ends of the take-up side core tube with the intermediate connector to provide a total width of the take-up side core tube, with the intermediate connector engaged to the take-up side core tube, equal to a width of the supply-side core tube.--

--101. The method according to claim 100, wherein the width of the supply-side core tube is in equal to the predetermined width of the ink sheet.--

--102. The method according to claim 100, further comprising the steps of:

mounting the take-up side core tube rotatably on an ink sheet cartridge with the intermediate connector being engaged to the take-up side core tube; and

rotating the take-up side core tube in a condition in which a rotational direction of the take-up side core tube is regulated by the intermediate connector.--

--103. A method of using a core tube body, the method comprising the steps of:

preparing a core tube body wound with an ink sheet having a predetermined width;

engaging one of two ends of the core tube body with an intermediate connector;

engaging the intermediate connector with a first spool having a gear;  
engaging another one of the two ends of the core tube body with a second  
spool; and

allowing a user to mount the core tube body rotatably and detachably onto an  
ink sheet cartridge by the first spool and the second spool only when the core tube body is  
engaged with the intermediate connector at the one of the two ends.--

--104. The method according to claim 103, further comprising the step of rotating the  
core tube body in a condition in which a rotational direction of the core tube body is  
regulated by the intermediate connector.--

--105. An ink sheet set used in combination with a spool having a tip end formed  
with a protrusion, the ink sheet set comprising;

an ink sheet having a predetermine width;

a supply-side core tube on which the ink sheet is wound;

a take-up side core tube that takes up the ink sheet thereonto, the take-up side  
core tube having a first end and a second end opposite to the first end; and

an intermediate connector that engages the first end of the take-up side core  
tube and that is engageable with the tip end of the spool, wherein the intermediate connector  
is formed with a groove for engaging the protrusion formed to the tip end of the spool.--

--106. An ink sheet set used in combination with a spool having a tip end formed  
with a protrusion, the ink sheet set comprises;

an ink sheet having a predetermined width;

a supply-side core tube on which the ink sheet is wound;

a take-up side core tube that takes up the ink sheet thereonto, the take-up side  
core tube having a first end and a second end opposite to the first end; and

an intermediate connector that engages the first end of the take-up side core  
tube and that is engageable with the tip end of the spool, the intermediate connector being

formed with a groove, wherein the groove is formed to the intermediate connector at a position that locates inside the first end of the take-up side core tube when the intermediate connector is in engagement with the first end, such that when the intermediate connector is in engagement with the first end, the groove engages the protrusion inside the first end.--

--107. An ink sheet set used in combination with a spool having a tip end formed with a protrusion, the ink sheet set comprises;

an ink sheet having a predetermined width;

a supply-side core tube on which the ink sheet is wound;

a take-up side core tube that takes up the ink sheet thereonto, the take-up side core tube having a first end and a second end opposite to the first end; and

an intermediate connector that engages the first end of the take-up side core tube and that is engageable with the tip end of the spool, the intermediate connector being formed with a groove, wherein the groove is formed at a position which locates at a predetermined position inside the first end of the take-up side core tube when the intermediate connector is in engagement with the first end, the predetermined position being where the protrusion formed to the tip end of the spool locates and engages the groove when the spool is engaged with the intermediate connector.--

--108. An ink sheet set used in combination with an ink ribbon cassette and a spool mounted on the ink ribbon cassette, the spool having a tip end formed with a protrusion, the ink sheet set comprising;

an ink sheet having a predetermined width;

a supply-side core tube on which an ink sheet is wound;

a take-up side core tube that takes up the ink sheet thereonto, the take-up side core tube having a first end and a second end opposite to the first end; and

an intermediate connector that engages the first end of the take-up side core tube, the intermediate connector being formed with a groove engageable with the protrusion formed to the tip end of the spool.--

--109. An ink sheet set used in combination with an ink ribbon cassette and a spool mounted on the ink ribbon cassette, the spool having a tip end formed with a protrusion, the ink sheet set comprising:

an ink sheet having a predetermined width;

a supply-side core tube on which the ink sheet is wound;

a take-up side core tube that takes up the ink sheet thereonto, the take-up side core tube having a first end and a second end opposite to the first end; and

an intermediate connector that engages the first end of the take-up side core tube and that is engageable with the tip end of the spool, the intermediate connector being formed with a groove, wherein the groove is formed to the intermediate connector at a position that locates inside the first end of the take-up side core tube when the intermediate connector is in engagement with the first end, such that when the intermediate connector is in engagement with the first end, the groove engages the protrusion inside the first end.--

--110. An ink sheet set used in combination with an ink ribbon cassette and a spool mounted on the ink ribbon cassette, the spool having a tip end formed with a protrusion, the ink sheet set comprising:

an ink sheet having a predetermined width;

a supply-side core tube on which the ink sheet is wound;

a take-up side core tube that takes up the ink sheet thereonto, the take-up side core tube having a first end and a second end opposite to the first end; and

an intermediate connector that engages the first end of the take-up side core tube and that is engageable with the tip end of the spool, the intermediate connector being formed with a groove, wherein the groove is formed at a position which locates at a